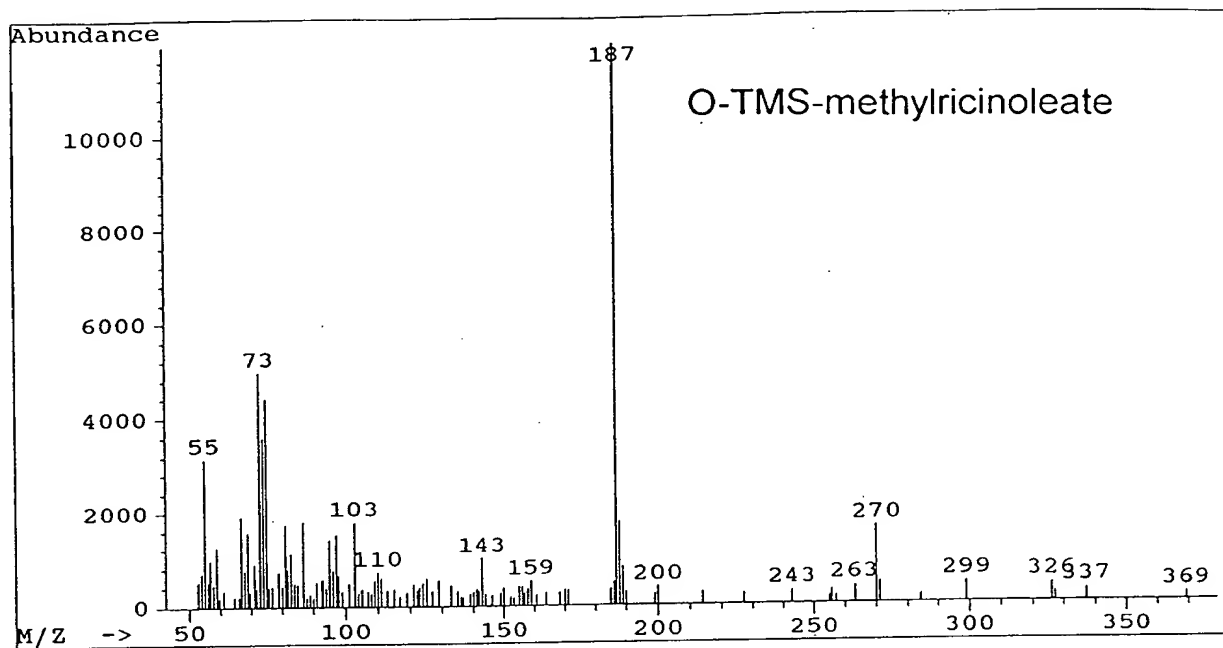
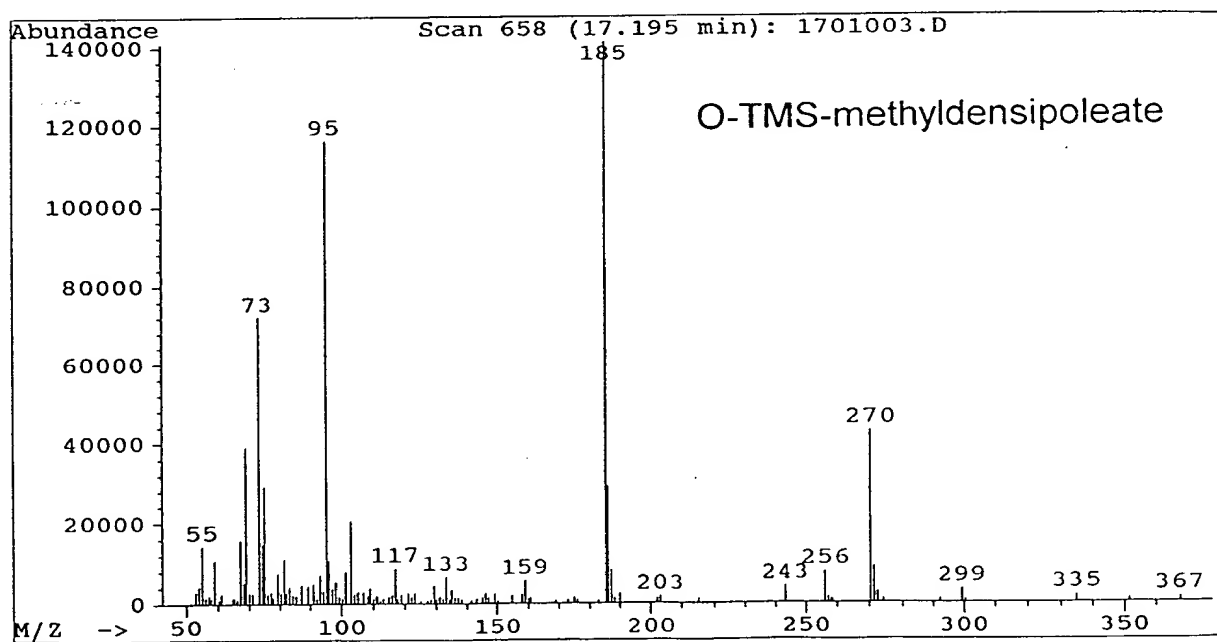


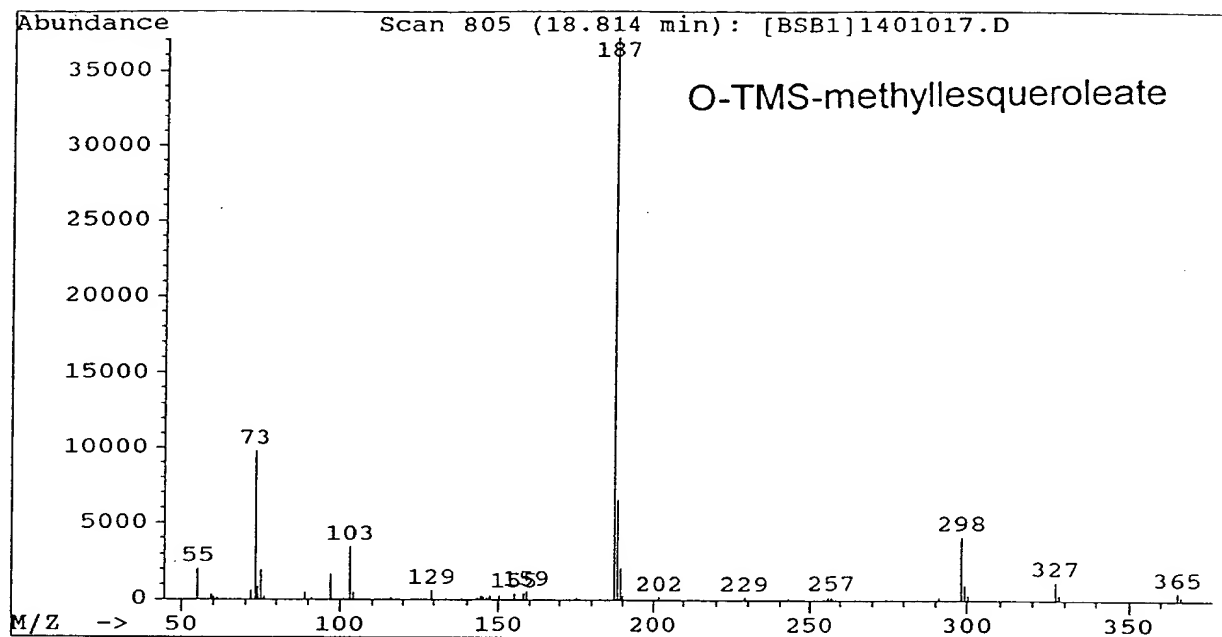
Figure 1A



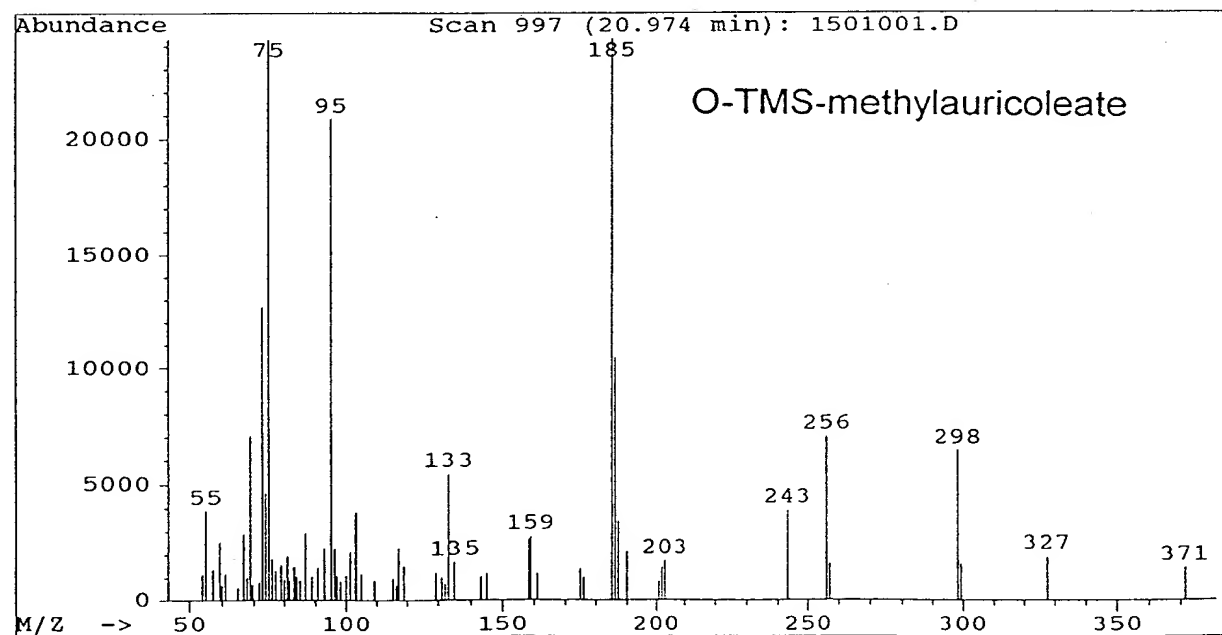
1B



1C



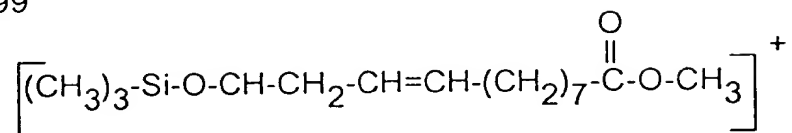
1D



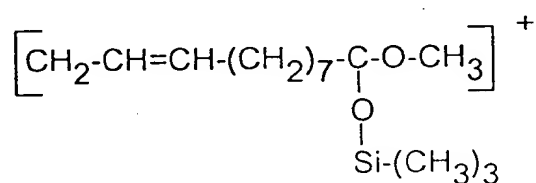
00005139-062101

Ion #1: Mass 187 $\left[\text{CH}_3-(\text{CH}_2)_5-\text{CH}-\text{O}-\text{Si}(\text{CH}_3)_3 \right]^+$

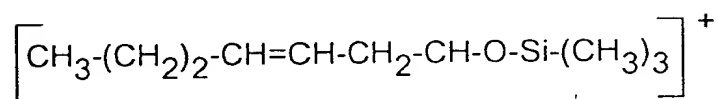
Ion #2: Mass 299



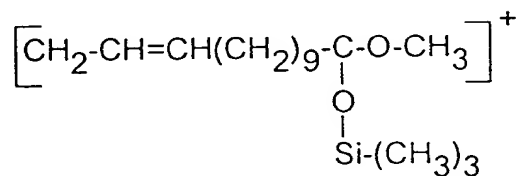
Ion #3: Mass 270 (characteristic rearrangement ion)



Ion #4: Mass 185 (desaturated analog of Ion #1)



Ion #5: Mass 298 (elongated analog of Ion #3)



Ion #6: Mass 327 (elongated analog of ion

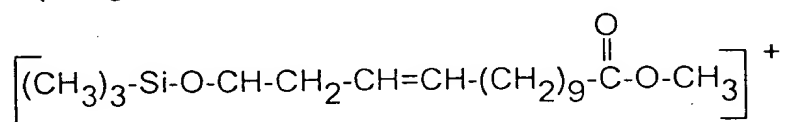


Figure 2

Figure 3

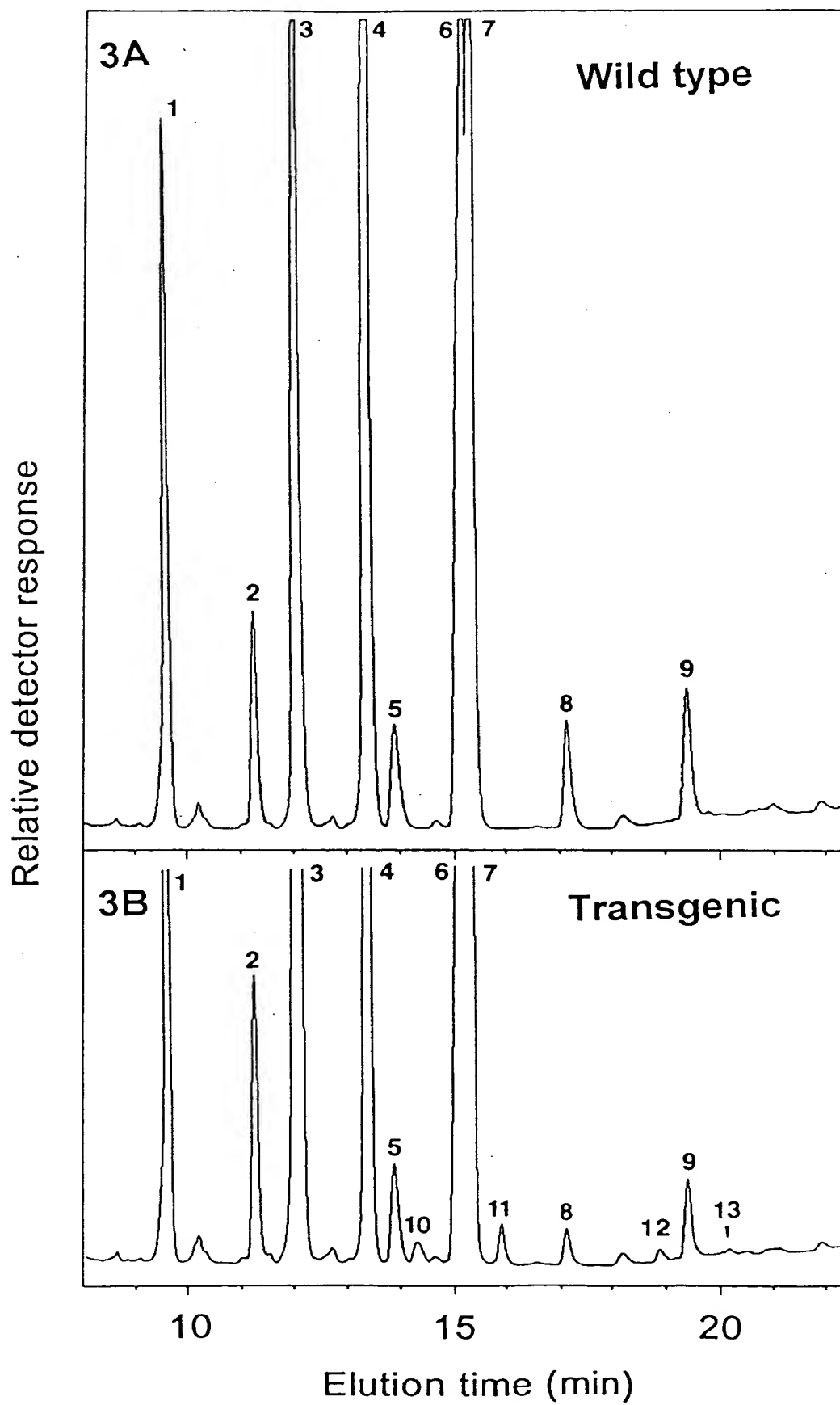
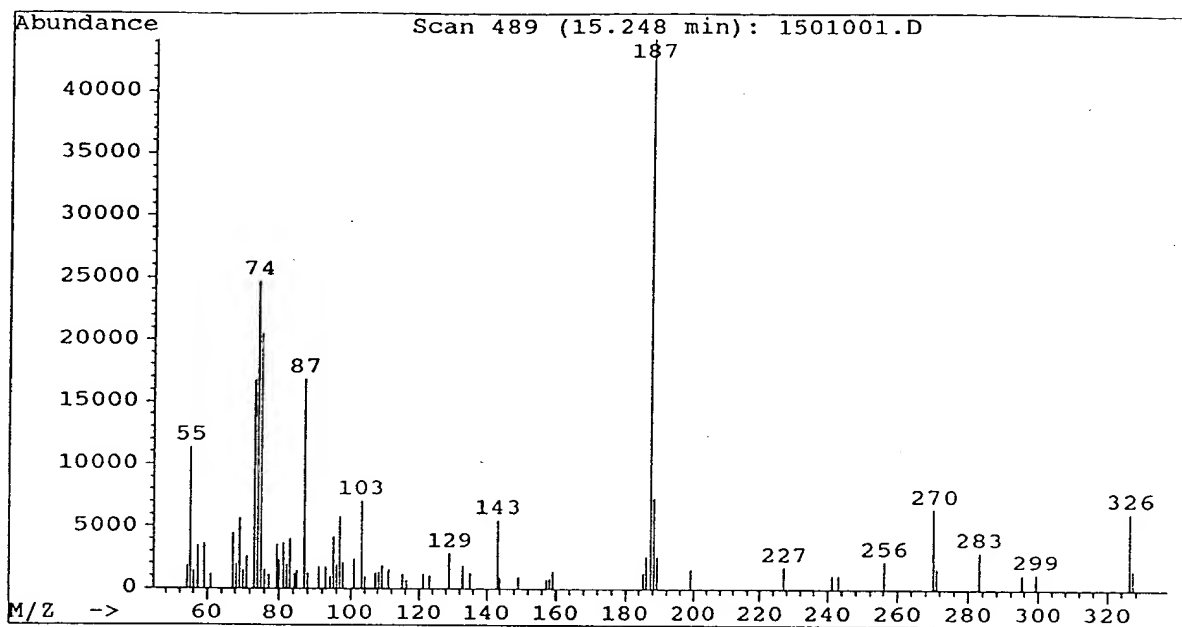
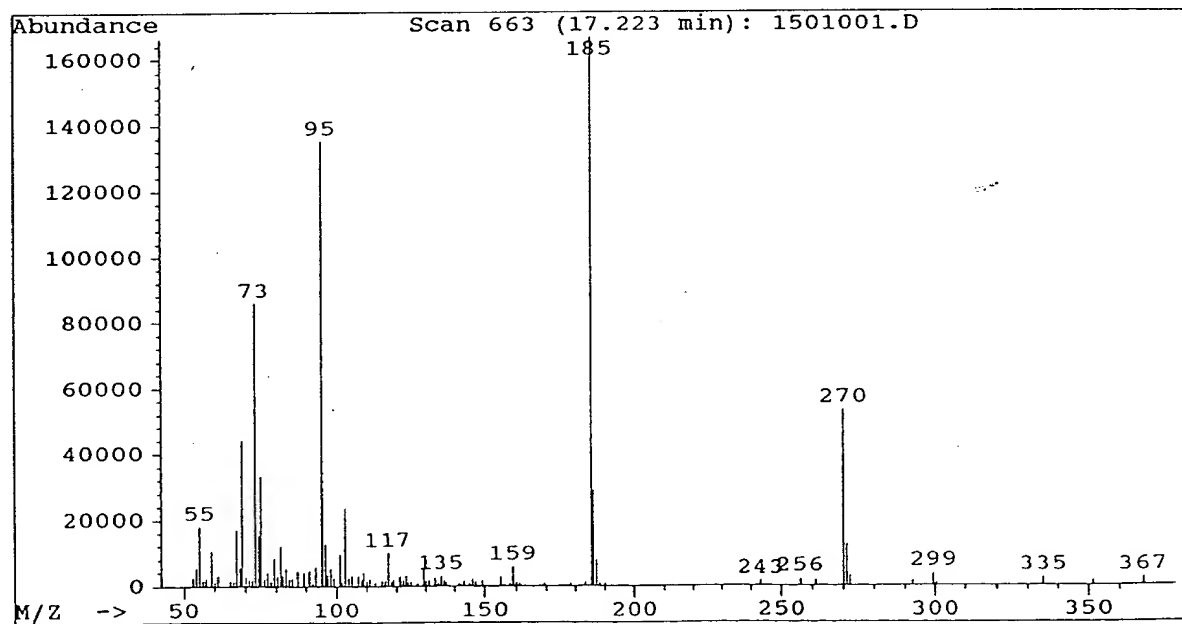


Figure 4A Mass spectrum of peak 10 from figure 3B

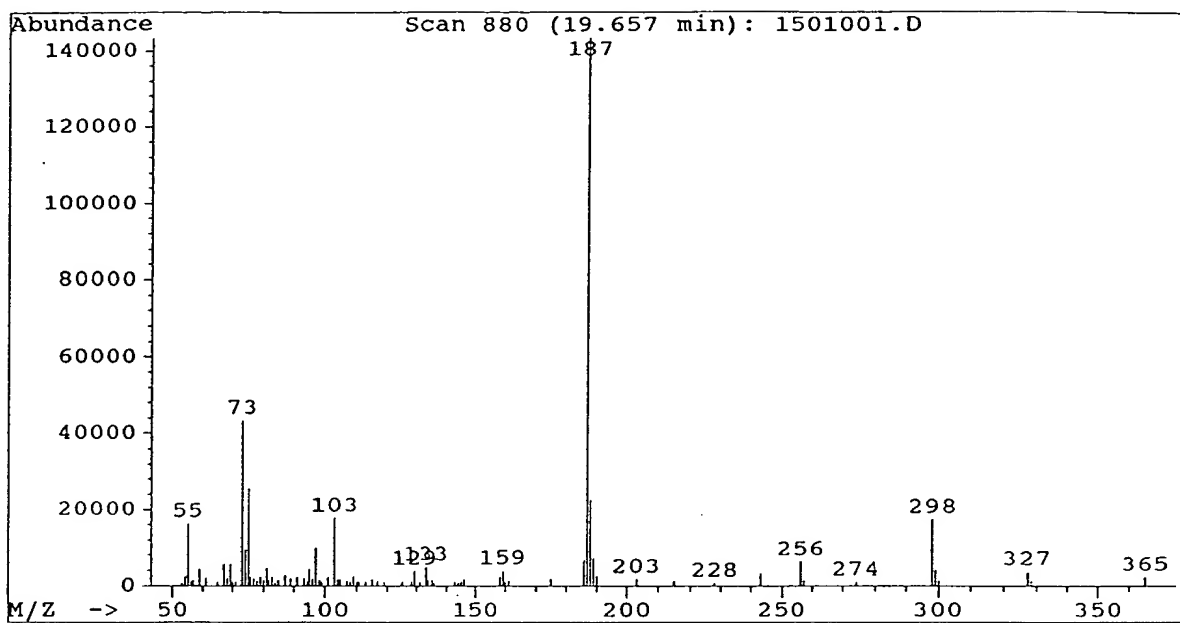


4B Mass spectrum of peak 11 from figure 3B



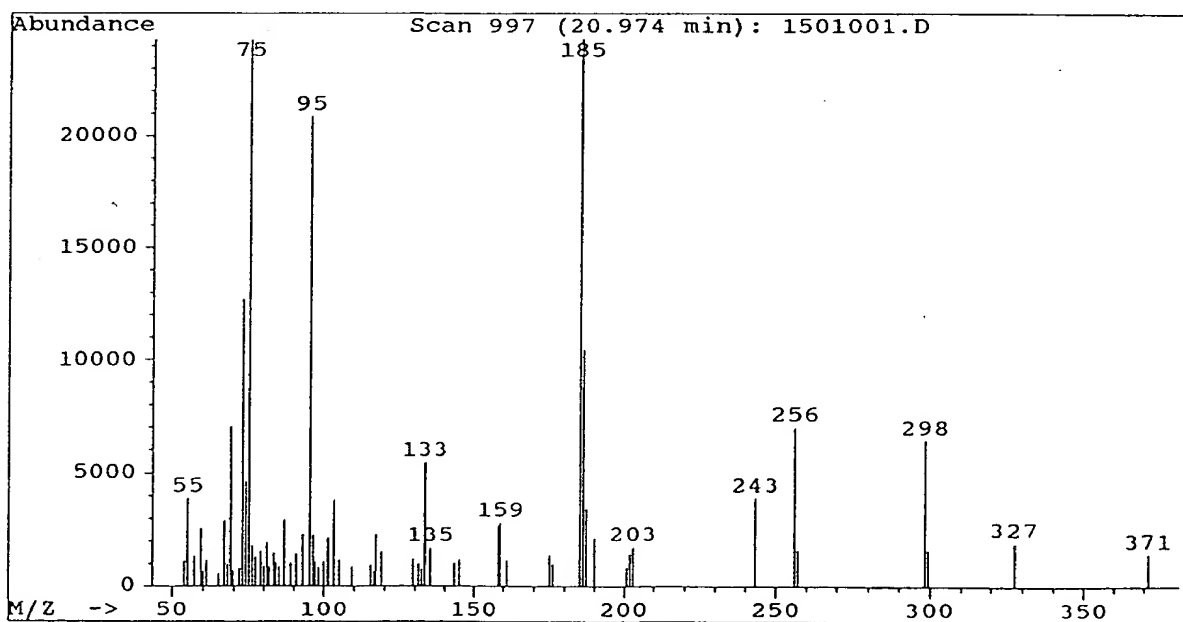
4C

Mass spectrum of peak 12 from figure 3B



4D

Mass spectrum of peak 13 from figure 3B



0985189-0521

| | | | | | |
|------------|------------|------------|------------|------------|------------|
| 10 | 20 | 30 | 40 | 50 | 60 |
| TATTGGCACC | GGCGGCACCA | TTCCAACAAT | GGATCCCTAG | AAAAAGATGA | AGTCTTTGTC |
| 70 | 80 | 90 | 100 | 110 | 120 |
| CCACCTAAGA | AAGCTGCAGT | CANATGGTAT | GTCAAATACC | TCAACAACCC | TCTTGGACGC |
| 130 | 140 | 150 | 160 | 170 | 180 |
| ATTCTGGTGT | TAACAGTTCA | GTTTATCCTC | GGGTGGCCTT | TGTATCTAGC | CTTTAATGTA |
| 190 | 200 | 210 | 220 | 230 | 240 |
| TCAGGTAGAC | CTTATGATGG | TTTCGCTTCA | CATTTCTTCC | CTCATGCACC | TATCTTTAAG |
| 250 | 260 | 270 | 280 | 290 | 300 |
| GACCGTGAAC | GTCTCCAGAT | ATACATCTCA | GATGCTGGTA | TTCTAGCTGT | CTGTTATGGT |
| 310 | 320 | 330 | 340 | 350 | 360 |
| CTTTACCGTT | ACGCTGCTTC | ACAAGGATTG | ACTGCTATGA | TCTGCGTCTA | CGGAGTACCG |
| 370 | 380 | 390 | 400 | 410 | 420 |
| CTTTTGATAG | TGAACTTTTT | CCTTGTCTTG | GTCACTTTCT | TGCAGCACAC | TCATCCTTCA |
| 430 | 440 | 450 | 460 | 470 | 480 |
| TTACCTCACT | ATGATTCAAC | CGAGTGGGAA | TGGATTAGAG | GAGCTTTGGT | TACGGTAGAC |
| 490 | 500 | 510 | 520 | 530 | 540 |
| AGAGACTATG | GAATCTTGAA | CAAGGTGTTT | CACAACATAA | CAGACACCCA | CGTAGCACAC |
| 550 | | | | | |
| CAC | | | | | |

Figure 5

| | | | | | |
|------------|------------|------------|------------|------------|------------|
| 10 | 20 | 30 | 40 | 50 | 60 |
| TATAGGCACC | GGAGGCACCA | TTCCAACACA | GGATCCCTCG | AAAGAGATGA | AGTATTTGTC |
| 70 | 80 | 90 | 100 | 110 | 120 |
| CCAAAGCAGA | AATCCGCAAT | CAAGTGGTAC | GGCGAATACC | TCAACAACCC | TCCTGGTCGC |
| 130 | 140 | 150 | 160 | 170 | 180 |
| ATCATGATGT | TAAGTGTCCA | GTTCGTCCTC | GGATGGCCCT | TGTACTTAGC | CTTCAACGTT |
| 190 | 200 | 210 | 220 | 230 | 240 |
| TCTGGCAGAC | CCTACAATGG | TTTCGCTTCC | CATTTCTTCC | CCAATGCTCC | TATCTACAAC |
| 250 | 260 | 270 | 280 | 290 | 300 |
| GACCGTGAAC | GCCTCCAGAT | TTACATCTCT | GATGCTGGTA | TTCTAGCCGT | CTGTTATGGT |
| 310 | 320 | 330 | 340 | 350 | 360 |
| CTTTACCGTT | ACGCTGTTGC | ACAAGGACTA | GCCTCAATGA | TCTGTCTAAA | CGGAGTTCCG |
| 370 | 380 | 390 | 400 | 410 | 420 |
| CTTCTGATAG | TTAACTTTTT | CCTCGTCTTG | ATCACTTACT | TACAACACAC | TCACCCTGCG |
| 430 | 440 | 450 | 460 | 470 | 480 |
| TTGCCTCACT | ATGATTCATC | AGAGTGGGAT | TGGCTTAGAG | GAGCTTTAGC | TACTGTAGAC |
| 490 | 500 | 510 | 520 | 530 | 540 |
| AGAGACTATG | GAATCTTGAA | CAAGGTGTTC | CATAACATCA | CAGACACCCA | CGTCGCACAC |
| 550 | | | | | |

CACT

09065109-062101

Figure 6

09885189-062404
TOT290-68T58860



Figure 7

| | |
|---|-----|
| AT GAA GCT TTA TAA GAA GTT AGT TTT CTC TGG TGA CAG AGA AAT TNT | 47 |
| GTC AAT TGG TAG TGA CAG TTG AAG CAA CAG GAA CAA CAA GGA TGG TTG | 95 |
| GTG NTG ATG CTG ATG TGG TGA TGT GTT ATT CAT CAA ATA CTA AAT ACT | 143 |
| ACA TTA CTT GTT GCT GCC TAC TTC TCC TAT TTC CTC CGC CAC CCA TTT | 191 |
| TGG ACC CAC GAN CCT TCC ATT TAA ACC CTC TCT CGT GCT ATT CAC CAG | 239 |
| AAG AGA AGC CAA GAG AGA GAG AGA GAG AAT GTT CTG AGG ATC ATT GTC | 287 |
| TTC TTC ATC GTT ATT AAC GTA AGT TTT TTT TGA CCA CTC ATA TCT AAA | 335 |
| ATC TAG TAC ATG CAA TAG ATT AAT GAC TGT TCC TTC TTT TGA TAT TTT | 383 |
| CAG CTT CTT GAA TTC AAG ATG GGT GCT GGT GGA AGA ATA ATG GTT ACC | 431 |
| Pro Ser Ser Lys Lys Ser Glu Thr Glu Ala Leu Lys Arg Gly Pro Cys | 26 |
| CCC TCT TCC AAG AAA TCA GAA ACT GAA GCC CTA AAA CGT GGA CCA TGT | 479 |
| Glu Lys Pro Pro Phe Thr Val Lys Asp Leu Lys Lys Ala Ile Pro Gln | 42 |
| GAG AAA CCA CCA TTC ACT GTT AAA GAT CTG AAG AAA GCA ATC CCA CAG | 527 |
| His Cys Phe Lys Arg Ser Ile Pro Arg Ser Phe Ser Tyr Leu Leu Thr | 58 |
| CAT TGT TTC AAG CGC TCT ATC CCT CGT TCT TTC TCC TAC CTT CTC ACA | 575 |
| Asp Ile Thr Leu Val Ser Cys Phe Tyr Tyr Val Ala Thr Asn Tyr Phe | 74 |
| GAT ATC ACT TTA GTT TCT TGC TTC TAC TAC GTT GCC ACA AAT TAC TTC | 623 |
| Ser Leu Leu Pro Gln Pro Leu Ser Thr Tyr Leu Ala Trp Pro Leu Tyr | 90 |
| TCT CTT CTT CCT CAG CCT CTC TCT ACT TAC CTA GCT TGG CCT CTC TAT | 671 |
| Trp Val Cys Gln Gly Cys Val Leu Thr Gly Ile Trp Val Ile Gly His | 106 |
| TGG GTA TGT CAA GGC TGT GTC TTA ACC GGT ATC TGG GTC ATT GGC CAT | 719 |
| Glu Cys Gly His His Ala Phe Ser Asp Tyr Gln Trp Val Asp Asp Thr | 122 |
| GAA TGT GGT CAC CAT GCA TTC AGT GAC TAT CAA TGG GTA GAT GAC ACT | 767 |
| Val Gly Phe Ile Phe His Ser Phe Leu Leu Val Pro Tyr Phe Ser Trp | 138 |
| GTT GGT TTT ATC TTC CAT TCC TTC CTT CTC GTC CCT TAC TTC TCC TGG | 815 |
| Lys Tyr Ser His Arg Arg His His Ser Asn Asn Gly Ser Leu Glu Lys | 154 |
| AAA TAC AGT CAT CGT CGT CAC CAT TCC AAC AAT GGA TCT CTC GAG AAA | 863 |
| Asp Glu Val Phe Val Pro Pro Lys Lys Ala Ala Val Lys Trp Tyr Val | 170 |
| GAT GAA GTC TTT GTC CCA CCG AAG AAA GCT GCA GTC AAA TGG TAT GTT | 911 |
| Lys Tyr Leu Asn Asn Pro Leu Gly Arg Ile Leu Val Leu Thr Val Gln | 186 |
| AAA TAC CTC AAC AAC CCT CTT GGA CGC ATT CTG GTG TTA ACA GTT CAG | 959 |

Figure 8A

| | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Phe | Ile | Leu | Gly | Trp | Pro | Leu | Tyr | Leu | Ala | Phe | Asn | Val | Ser | Gly | Arg | 202 |
| TTT | ATC | CTC | GGG | TGG | CCT | TTG | TAT | CTA | GCC | TTT | AAT | GTA | TCA | GGT | AGA | 1007 |
| Pro | Tyr | Asp | Gly | Phe | Ala | Ser | His | Phe | Phe | Pro | His | Ala | Pro | Ile | Phe | 218 |
| CCT | TAT | GAT | GGT | TTC | GCT | TCA | CAT | TTC | TTC | CCT | CAT | GCA | CCT | ATC | TTT | 1055 |
| Lys | Asp | Arg | Glu | Arg | Leu | Gln | Ile | Tyr | Ile | Ser | Asp | Ala | Gly | Ile | Leu | 234 |
| AAA | GAC | CGA | GAA | CGC | CTC | CAG | ATA | TAC | ATC | TCA | GAT | GCT | GGT | ATT | CTA | 1103 |
| Ala | Val | Cys | Tyr | Gly | Leu | Tyr | Arg | Tyr | Ala | Ala | Ser | Gln | Gly | Leu | Thr | 250 |
| GCT | GTC | TGT | TAT | GGT | CTT | TAC | CGT | TAC | GCT | GCT | TCA | CAA | GGA | TTG | ACT | 1151 |
| Ala | Met | Ile | Cys | Val | Tyr | Gly | Val | Pro | Leu | Leu | Ile | Val | Asn | Phe | Phe | 266 |
| GCT | ATG | ATC | TGC | GTC | TAT | GGA | GTA | CCG | CTT | TTG | ATA | GTG | AAC | TTT | TTC | 1199 |
| Leu | Val | Leu | Val | Thr | Phe | Leu | Gln | His | Thr | His | Pro | Ser | Leu | Pro | His | 282 |
| CTT | GTC | TTG | GTA | ACT | TTC | TTG | CAG | CAC | ACT | CAT | CCT | TCG | TTA | CCT | CAT | 1247 |
| Tyr | Asp | Ser | Thr | Glu | Trp | Glu | Trp | Ile | Arg | Gly | Ala | Leu | Val | Thr | Val | 298 |
| TAT | GAT | TCA | ACC | GAG | TGG | GAA | TGG | ATT | AGA | GGA | GCT | TTG | GTT | ACG | GTA | 1295 |
| Asp | Arg | Asp | Tyr | Gly | Ile | Leu | Asn | Lys | Val | Phe | His | Asn | Ile | Thr | Asp | 314 |
| GAC | AGA | GAC | TAT | GGA | ATA | TTG | AAC | AAG | GTG | TTC | CAT | AAC | ATA | ACA | GAC | 1343 |
| Thr | His | Val | Ala | His | His | Leu | Phe | Ala | Thr | Ile | Pro | His | Tyr | Asn | Ala | 330 |
| ACA | CAT | GTG | GCT | CAT | CAT | CTC | TTT | GCA | ACT | ATA | CCG | CAT | TAT | AAC | GCA | 1391 |
| Met | Glu | Ala | Thr | Glu | Ala | Ile | Lys | Pro | Ile | Leu | Gly | Asp | Tyr | Tyr | His | 346 |
| ATG | GAA | GCT | ACA | GAG | GCG | ATA | AAG | CCA | ATA | CTT | GGT | GAT | TAC | TAC | CAC | 1439 |
| Phe | Asp | Gly | Thr | Pro | Trp | Tyr | Val | Ala | Met | Tyr | Arg | Glu | Ala | Lys | Glu | 362 |
| TTC | GAT | GGA | ACA | CCG | TGG | TAT | GTG | GCC | ATG | TAT | AGG | GAA | GCA | AAG | GAG | 1487 |
| Cys | Leu | Tyr | Val | Glu | Pro | Asp | Thr | Glu | Arg | Gly | Lys | Lys | Gly | Val | Tyr | 378 |
| TGT | CTC | TAT | GTA | GAA | CCG | GAT | ACG | GAA | CGT | GGG | AAG | AAA | GGT | GTC | TAC | 1535 |
| Tyr | Tyr | Asn | Asn | Lys | Leu | | | | | | | | | | | 384 |
| TAT | TAC | AAC | AAT | AAG | TTA | TGA | GGC | TGA | TAG | GGC | GAG | AGA | AGT | GCA | ATT | 1583 |
| ATC | AAT | CTT | CAT | TTC | CAT | GTT | TTA | GGT | GTC | TTG | TTT | AAG | AAG | CTA | TGC | 1631 |
| TTT | GTT | TCA | ATA | ATC | TCA | GAG | TCC | ATN | TAG | TTG | TGT | TCT | GGT | GCA | TTT | 1679 |
| TGC | CTA | GTT | ATG | TGG | TGT | CGG | AAG | TTA | GTG | TTC | AAA | CTG | CTT | CCT | GCT | 1727 |
| GTG | CTG | CCC | AGT | GAA | GAA | CAA | GTT | TAC | GTG | TTT | AAA | ATA | CTC | GGA | ACG | 1775 |
| AAT | TGA | CCA | CAA | NAT | ATC | CAA | AAC | CGG | CTA | TCC | GAA | TTC | CAT | ATC | CGA | 1823 |
| AAA | CCG | GAT | ATC | CAA | ATT | TCC | AGA | GTA | CTT | AG | | | | | | 1855 |

Figure 8B

| | | 10 | 20 | 30 | 40 | 50 | |
|----------|-----|------------|------------|-------------|------------|------------|-----|
| LFFAH12 | 1 | MGAGGRIM-- | --VTPSSKKS | --ETEALKRG | PCEKPPFTVK | DLKKAIPQHC | 50 |
| FAH12 | 1 | MGGGGRMSTV | ITSNNSEKKG | --GSSHLKRA | PHTKPPFTLG | DLKRAIPPHC | 50 |
| ATFAD2 | 1 | MGAGGRMP-- | --VPTSSKKS | --ETDITKRV | PCEKPPFSVG | DLKKAIPPHC | 50 |
| BNFAD2 | 1 | MGAGGRMQ-- | --VSPPSKKS | --ETDNIKRV | PCETPPFTVG | ELKKAIPPHC | 50 |
| GMFAD2-1 | 1 | MGLA-KETTM | GGRGRVAKVE | VQGKKPLSRV | PNTKPPFTVG | QLKKAIPPHC | 50 |
| GMFAD2-2 | 1 | MGAGGR---- | TDVPPANRKS | --EVDPLKRV | PFEKPPFSLS | QIKKAIPPHC | 50 |
| ZMFAD2 | 1 | MGAGGRMTEK | EREKQEQLAR | ATGGAAMQRS | PVEKPPFTLG | QIKKAIPPHC | 50 |
| RCFAD2 | 1 | ----- | ----- | ----- | ----- | ----- | 50 |
| | | 60 | 70 | 80 | 90 | 100 | |
| LFFAH12 | 51 | FKRSIPRSFS | YLLTDITLVS | CFYYVATNYF | SLLPQPLSTY | LAWPLYWVCQ | 100 |
| FAH12 | 51 | FERSFVRSFS | YVAYDVCLSF | LFYSIATNFF | PYISSPLS-Y | VAWLVIWLFQ | 100 |
| ATFAD2 | 51 | FKRSIPRSFS | YLISDIIIAS | CFYYVATNYF | SLLPQPLS-Y | LAWPLYWACQ | 100 |
| BNFAD2 | 51 | FKRSIPRSFS | HLIWDIIIAS | CFYYVATTYF | PLLPNPLS-Y | FAWPLYWACQ | 100 |
| GMFAD2-1 | 51 | FORSLLTSFS | YVVYDLSFAF | IFY-IATTYF | HLLPOPFS-L | IAWPIYWVLQ | 100 |
| GMFAD2-2 | 51 | FORSVLRSFS | YVVYDLTIAF | CLYYVATHYF | HLLPGPLS-F | RGMAIYWAVQ | 100 |
| ZMFAD2 | 51 | FERSVLKSFS | YVVHDLVIAA | ALLYFALAI | PALPSPLR-Y | AAWPLYWIAQ | 100 |
| RCFAD2 | 51 | ----- | ----- | ----- | ----- | ----- | 100 |
| | | 110 | 120 | 130 | 140 | 150 | |
| LFFAH12 | 101 | GCVLTGIWVI | GHECGHHAFS | DYQWVDDTVG | FIFHSFLLVP | YFSWKYSHRR | 150 |
| FAH12 | 101 | GCILTGLWVI | GHECGHHAFS | EYQLADDIVG | LIVHSALLVP | YFSWKYSHRR | 150 |
| ATFAD2 | 101 | GCVLTGIWVI | AHECGHHAFS | DYQWLDDTVG | LIFHSFLLVP | YFSWKYSHRR | 150 |
| BNFAD2 | 101 | GCVLTGVWVI | AHECGHAAFS | DYQWLDDTVG | LIFHSFLLVP | YFSWKYSHRR | 150 |
| GMFAD2-1 | 101 | GCLLTGVWVI | AHECGHHAFS | KYQWVDDVVG | LTLHSTLLVP | YFSWKISHRR | 150 |
| GMFAD2-2 | 101 | GCILTGVWVI | AHECGHHAFS | DYQLLDDIVG | LILHSALLVP | YFSWKYSHRR | 150 |
| ZMFAD2 | 101 | G----- | -----AFS | DYSLLDDVVG | LVLHSSLMVP | YFSWKYSHRR | 150 |
| RCFAD2 | 101 | -----WVM | AHDCGHHAFS | DYQLLDDVVG | LILHSCLLVP | YFSWKHSHRR | 150 |
| | | 160 | 170 | 180 | 190 | 200 | |
| LFFAH12 | 151 | HHSNNGSLEK | DEVFVPPKKA | AVKWYVKYL- | NNPLGRILVL | TVQFILGWPL | 200 |
| FAH12 | 151 | HHSNIGSLER | DEVFVPKSKS | KISWYSKYS- | NNPPGRVLT | AATLLLGWPL | 200 |
| ATFAD2 | 151 | HHSNTGSLER | DEVFVPKQKS | AIKWYGKYL- | NNPLGRIMML | TVQFVLGWPL | 200 |
| BNFAD2 | 151 | HHSNTGSLER | DEVFVPR-RS | QTSSGSTAST- | STTFGRVMT | TVQFTLGWPL | 200 |
| GMFAD2-1 | 151 | HHSNTGSLDR | DEVFVPKPKS | KVAWFSKYL- | NNPLGRAVSL | LVTLTIGWPM | 200 |
| GMFAD2-2 | 151 | HHSNTGSLER | DEVFVPKQKS | CIKWYSKYL- | NNPPGRVLT | AVTLTLGWPL | 200 |
| ZMFAD2 | 151 | HHSNTGSLER | DEVFVPKKKE | ALPWYTPYVY | NNPVGRVVHI | VVQLTLGWPL | 200 |
| RCFAD2 | 151 | HHSNTGSLER | DEVFVPKKKS | SIRWYSKYL- | NNPPGRIMTI | AVTLSLGWPL | 200 |
| | | 210 | 220 | 230 | 240 | 250 | |
| LFFAH12 | 201 | YLAFNVSGRP | YDG-FASHFF | PHAPIFKDRE | RLQIYISDAG | ILAVCYGLYR | 250 |
| FAH12 | 201 | YLAFNVSGRP | YDR-FACHYD | PYGPIFSERE | RLQIYIADLG | IFATTFVLYQ | 250 |
| ATFAD2 | 201 | YLAFNVSGRP | YDG-FACHFF | PNAPIYNDRE | RLQIYLSDAG | ILAVCFGLYR | 250 |
| BNFAD2 | 201 | YLAFNVSGRP | YDGGFACHFH | PNAPIYNDRE | RLQIYISDAG | ILAVCYGLLP | 250 |
| GMFAD2-1 | 201 | YLAFNVSGRP | YDS-FASHYH | PYAPIYSNRE | RLLIYVSDVA | LFSVTYSLYR | 250 |
| GMFAD2-2 | 201 | YLALNVSGRP | YDR-FACHYD | PYGPIYSDRE | RLQIYISDAG | VLAVVYGLFR | 250 |
| ZMFAD2 | 201 | YLATNASGRP | YPR-FACHFD | PYGPIYNDRE | RAQIFVSDAG | VVAVAFGLYK | 250 |
| RCFAD2 | 201 | YLAFNVSGRP | YDR-FACHYD | PYGPIYNDRE | RIEIFISDAG | VLAVTFGLYQ | 250 |

Figure 9A

| | | 260 | 270 | 280 | 290 | 300 | |
|----------|-----|-------------|------------|------------|------------|------------|-----|
| LFFAH12 | 251 | YAASQGLTAM | ICVYGVPLLI | VNFFLVLVTF | LQHTHPSLPH | YDSTEWEWIR | 300 |
| FAH12 | 251 | ATMAKGLAWV | MRIYGVPLLI | VNCFLVMITY | LQHTHPAIPR | YGSSEWDWLR | 300 |
| ATFAD2 | 251 | YAAAQGMASM | ICLYGVPLLI | VNAFLVLITY | LQHTHPSLPH | YDSSEWDWLR | 300 |
| BNFAD2 | 251 | YAAVQGVASM | VCFLRVPLLI | VNGFLVLITY | LQHTHPSLPH | YDSSEWDWLR | 300 |
| GMFAD2-1 | 251 | VATLKGLVWL | LCVYGVPLLI | VNGFLVTITY | LQHTHFALPH | YDSSEWDWLK | 300 |
| GMFAD2-2 | 251 | LAMAKGLAWV | VCVYGVPLLV | VNGFLVLITF | LQHTHPALPH | YTSSEWDWLR | 300 |
| ZMFAD2 | 251 | LAAAFGVWWV | VRVYAVPLLI | VNAWLVLITY | LQHTHPSLPH | YDSSEWDWLR | 300 |
| RCFAD2 | 251 | LATAKGLAWV | VCVYGVPLLV | VNSFLVLITF | LQHTHPALPH | YDSSEWDWLR | 300 |
| | | 310 | 320 | 330 | 340 | 350 | |
| LFFAH12 | 301 | GALVTVDRDY | GILNKVFHNI | TOTHVAHHLF | ATIPHYNAME | ATEAIKPILG | 350 |
| FAH12 | 301 | GAMVTVDRDY | GVLNKVFHNI | ADTHVAHHLF | ATVPHYHAME | ATKAIKPIMG | 350 |
| ATFAD2 | 301 | GALATVDRDY | GILNKVFHNI | TOTHVAHHLF | STMPHYNAME | ATKAIKPILG | 350 |
| BNFAD2 | 301 | GALATVDRDY | GILNQGFHNI | TDTHEAHHLF | STMPHYHAME | ATKAIKPILG | 350 |
| GMFAD2-1 | 301 | GALATMDRDY | GILNKVFHHI | TOTHVAHHLF | STMPHYHAME | ATNAIKPILG | 350 |
| GMFAD2-2 | 301 | GALATVDRDY | GILNKVFHNI | TOTHVAHHLF | STMPHYHAME | ATKAIKPILG | 350 |
| ZMFAD2 | 301 | GALATMDRDY | GILNRVFHNI | TOTHVAHHLF | STMPHYHAME | ATKAIRPILG | 350 |
| RCFAD2 | 301 | GALATVDRDY | GILNKVFHNI | TDQVAHHLF | ----- | ----- | 350 |
| | | 360 | 370 | 380 | 390 | 400 | |
| LFFAH12 | 351 | DYYHFDGTPW | YVAMYREAKE | CLYVEPDTER | GKKGVYYYNN | K-L..... | 400 |
| FAH12 | 351 | EYYRYDGTPTF | YKALWREAKE | CLFVEPDEGA | PTQGVFWYRN | KY-..... | 400 |
| ATFAD2 | 351 | DYYQFDGTPW | YVAMYREAKE | CIYVEPDREG | DKKGVYWYNN | K-L..... | 400 |
| BNFAD2 | 351 | EYYQFDGTPV | VKAMWREAKE | CIYVEPDROG | EKKGVFWYNN | KL*..... | 400 |
| GMFAD2-1 | 351 | EYYQFDDTPF | YKALWREARE | CLYVEPDEGT | SEKGVYWYRN | KY-..... | 400 |
| GMFAD2-2 | 351 | EYYRFDETPF | VKAMWREARE | CIYVEPDQST | ESKGVFWYNN | KL-..... | 400 |
| ZMFAD2 | 351 | DYYHFDPTPV | AKATWREAGE | CIYVEPE--- | DRKGVFWYNN | KF*..... | 400 |

Figure 9B

09885189-062101

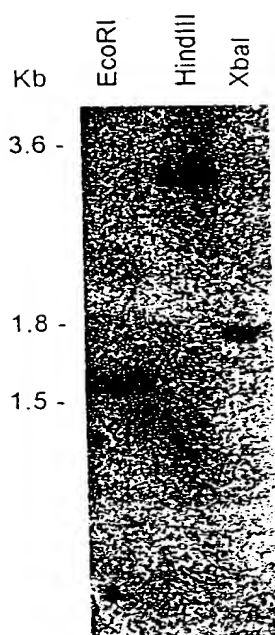
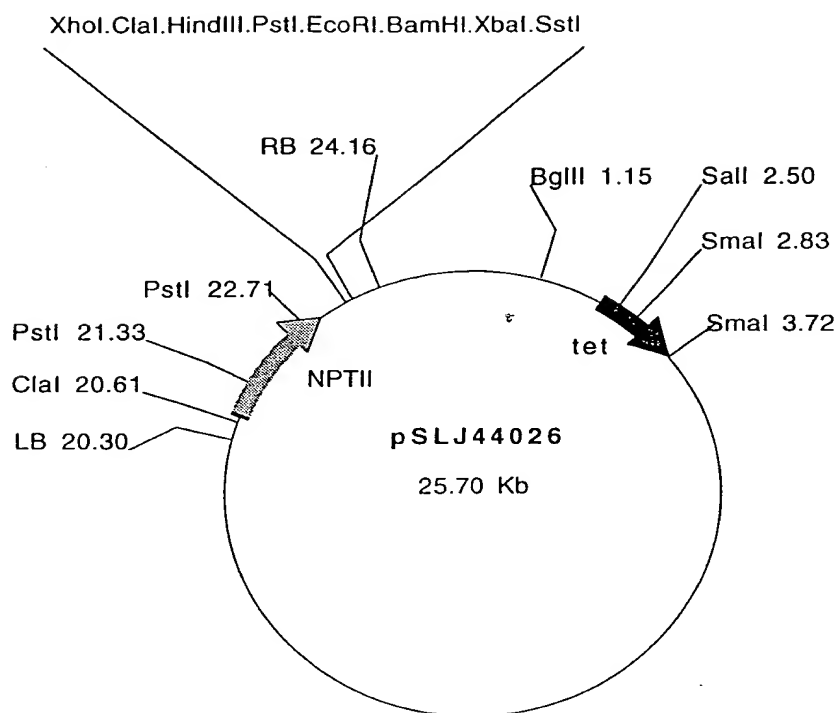


Figure 10

09885189-05101
TOT290-68T58860



Plasmid name: pSLJ44026

Plasmid size: 25.70 kb

Constructed by: Jonathon Jones

Construction date: 1992

Comments/References: Transgenic Research 1,285-297 (1992)

Figure 11

0985189.062101
TOT290" 69T58860

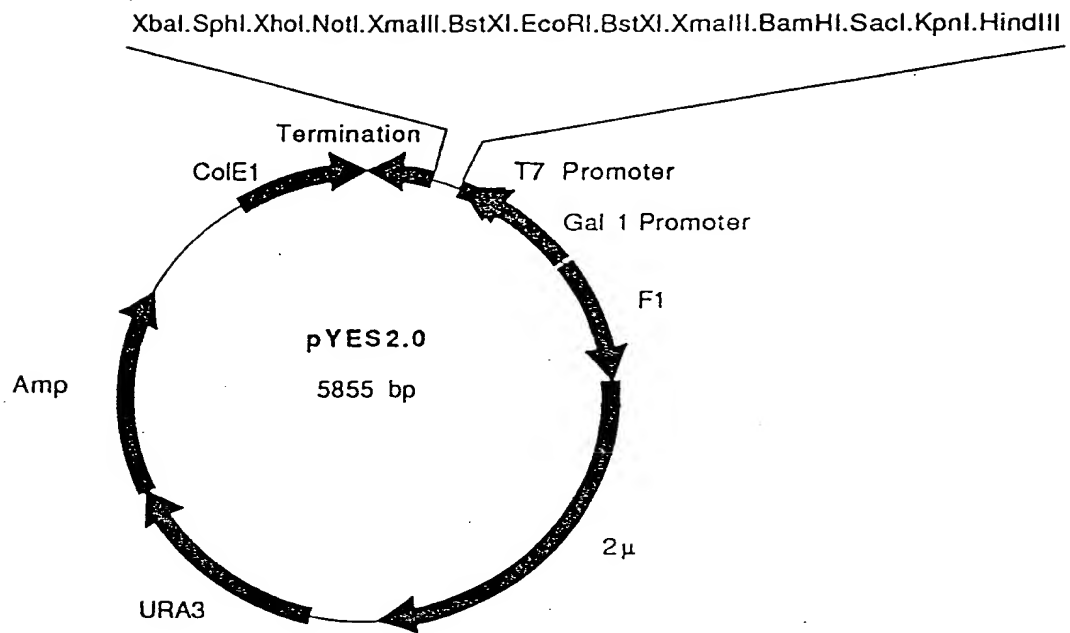


Figure 12

0905189-05101
T01290-68158860

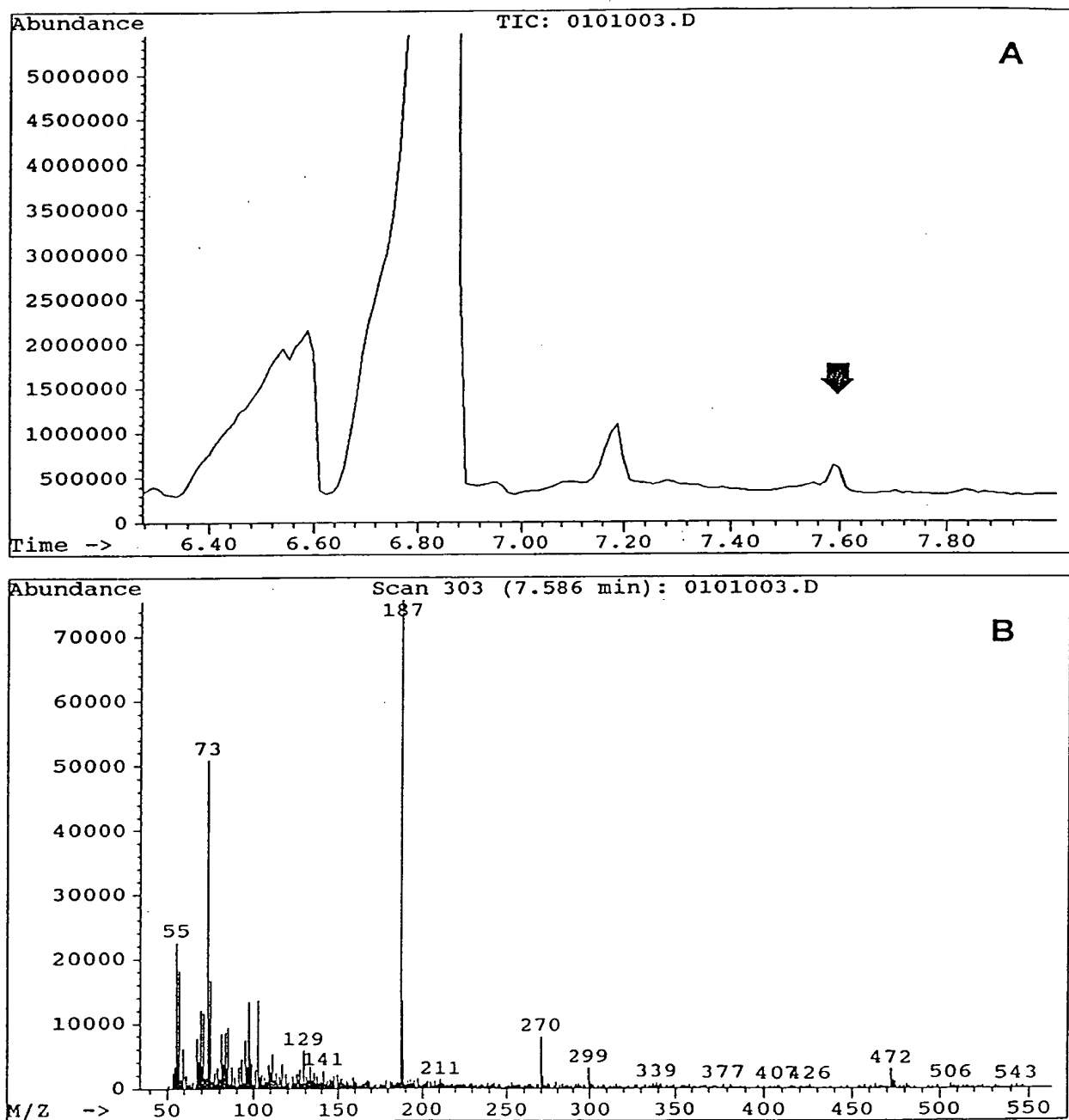


Figure 13